

ABSTRACT

In the clockwork, according to the present invention, the bearing journals of the balance staff, and also of the pallet staff, have a larger diameter than in known clockworks, since a DLC coating of these bearing journals and the corresponding surfaces of the bearings provides for very low friction, which enables an increase in the bearing journal diameter without diminishing the function and accuracy. The enlargement of the bearing journal diameter results in improved shock-resistance in addition to making the elements provided for shock resistance in conventional clockworks (spring-mounted bearings for the balance staff) partially, or wholly, unnecessary.

10068983-024102